

Project Proposal

Proposal Title: San Pitch River Restoration - E.J. Phase II

Proposal Number: 1065

DWR Region: Central Region

Lead Agency: NRCS

County: Sanpete

Project Manager: Anthony Steinfeldt

PM Phone: 8014915650

Regional Priority: Within Focus Area

Project Type: Aquatic Habitat

Proposed Start Date: 09/01/2008

Project Location: 2 miles NW of Mt Pleasant in Sanpete County

Project Description: Restore 3/4 mile of San Pitch River near Mt Pleasant to decrease erosion, improve water quality, and improve habitat for leatherside chub

Description of Problem/Need: The SanPitch River is on the 303 d list of impaired waters for total dissolved solids (TDS) and total phosphorus.

Excessive amounts of sediment are being deposited into the stream due to unstable and sloughing vertical banks.

Physical complexity is limited. There is limited fish cover, pools, and a meandering stream pattern, all of which are limiting fish production.

Stream is incised and heavily grazed in some sections of the river.

Vegetative cover (woody and grasses) are absent along portions of the riparian zone contributing to high water temperatures and erosion problems.

There is little functioning riparian area for aquatic or terrestrial species.

Native Leatherside chubs are present here but have the potential to expand and increase in abundance in this section of stream and keep them from being listed as threatened or endangered.

Objectives: 1) Improve water quality by decreasing sedimentation into the River; 2) stabilize eroding banks; 3) improve habitat for leatherside chub

Relevance to Strategic Plans: This project will address habitat needs for the following species listed in the WAP: Columbia Spotted Frog (Tier I), Leatherside Chub (Tier II), Redside Shiner (Tier III), and Speckled Dace (Tier III).

Establish a healthy willow and vegetative community.

Water quality will improve by reducing sediment loading from eroding banks and ultimately remove the San Pitch River from the impaired waters list.

It will also improve the riparian corridor for various other species.

Potential Risks: If this project is not completed the San Pitch River will remain on the states impaired watershed list, and sensitive species like the Leatherside Chub may disappear from the San Pitch River and alter future management options.

Proposed Methods: Restoration efforts will focus on maintaining and/or reforming the natural meander of the stream for approximately 4000 linear feet of stream. Habitat structure will also be added for stability and to create riparian habitat.

Willow cuttings will be planted with a water jet stinger to re-establish a healthy willow community.

All disturbed areas will be re-planted with grasses to reduce soil erosion, improve water quality, and provide forage for native and livestock species.

The entire riparian corridor will be fenced to allow vegetation to establish and later provide a way to control prescribed/flash grazing for stand health.

Construction will occur September-October when water levels are low and outside of spawning activities/periods.

Construction will happen in two phases (2008 and 2009). Each phase will take approximately one month with additional time to complete fencing. If possible both phases will be completed in 2008.

Shapefile Name: San_Pitch_Jessen_PhaseII.shp

Seed Source:

UPCD Reg Team Coord Date: 01/15/2008

Project Proposal

**Proposed
NEPA Action:**

**Proposed
Arch Action:**

☐ **Vegetation Monitoring** ☒ **Wildlife Monitoring**

Monitoring Information: DWR Central Region native aquatics personnel will monitor leatherside and spotted frog population reponse annually for 3 years post-treatment.

Grazing Management: NRCS requires 2 years of rest then proscribed grazing after a seeding.
A portion of the landowners land along river also has a conservation security contract which requires him to leave 12 acres of forage over 8

SPECIES BENEFITING

Leatherside Chub	Neotropical Birds	Columbia Spotted Frog	Speckled Dace
Redside Shiner			

LAND OWNERSHIP

Owner	Acres
Private	6
Total	6

PROPOSED FUNDING

Source	Amount Requested	Date Approved	Amount Approved
EQIP	\$101,392.00		\$101,392.00
EPA 319	\$63,639.00		\$63,639.00
USFWS	\$10,000.00		\$10,000.00
Private	\$25,600.00		\$25,600.00
DNR Watershed (FY09)	\$27,000.00		\$27,000.00
Totals	\$227,631.00		\$227,631.00

PROPOSED BUDGET

Item	Description	DWR Account	In Kind/ Partner Contrib.
Equipment Rental	trac hoe, dozer, loader, dump truck, log truck	\$27,000.00	\$101,392.00
Materials and Supplies	rocks, trees, coconut and textile fabrics, fence	\$0.00	\$63,639.00
Personal Services	two machine operators	\$0.00	\$10,000.00
Personal Services	land owner operator	\$0.00	\$25,600.00
Totals		\$27,000.00	\$200,631.00

PROPOSED FUNDING ALLOCATION

Funding Type	Funding Percent
Nongame Fish	100
Total	100.00%

LOCATION MAP

July 11, 2006





